

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/004272

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> G03F1/08, H01L21/027, B05C11/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> G03F1/08-1/16, H01L21/027Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004  
Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|-----------|---|-----------------------|
| Y         | JP 2001-259502 A (Hoya Corp.),<br>25 September, 2001 (25.09.01),<br>Full text; all drawings<br>& US 2002/000424 A1 & KR 2003020058 A<br>& TW 527657 A | 1-11                  |
| Y         | JP 3-101866 A (Tokyo Ohka Kogyo Co., Ltd.),<br>26 April, 1991 (26.04.91),<br>Full text; all drawings<br>(Family: none)                                | 1-11                  |
| Y         | JP 6-99124 A (Tokyo Ohka Kogyo Co., Ltd.),<br>12 April, 1994 (12.04.94),<br>Par. Nos. [0007] to [0014]; Fig. 1<br>(Family: none)                      | 1-11                  |

 Further documents are listed in the continuation of Box C. See patent family annex.

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| * Special categories of cited documents:<br>"A" document defining the general state of the art which is not considered to be of particular relevance<br>"E" earlier application or patent but published on or after the international filing date<br>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>"O" document referring to an oral disclosure, use, exhibition or other means<br>"P" document published prior to the international filing date but later than the priority date claimed | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art<br>"&" document member of the same patent family |
|--|--|

Date of the actual completion of the international search  
04 June, 2004 (04.06.04)Date of mailing of the international search report  
22 June, 2004 (22.06.04)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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PCT/JP2004/004272

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| Y         | JP 2002-346458 A (Tokyo Electron Ltd.),<br>03 December, 2002 (03.12.02),<br>Full text; all drawings<br>(Family: none)          | 1-11                  |
| Y         | JP 10-156273 A (Dainippon Screen Mfg. Co.,<br>Ltd.),<br>16 June, 1998 (16.06.98),<br>Full text; all drawings<br>(Family: none) | 2-4,10                |